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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/568,836	02/17/2006	Bernardus Hendrikus Hendriks	NL030964	8924
24737	7590	01/05/2009	EXAMINER	
PHILIPS INTELLECTUAL PROPERTY & STANDARDS			PRITCHETT, JOSHUA L	
P.O. BOX 3001			ART UNIT	PAPER NUMBER
BRIARCLIFF MANOR, NY 10510			2872	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/568,836	HENDRIKS ET AL.
	Examiner	Art Unit
	JOSHUA L. PRITCHETT	2872

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 28 October 2008.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-12 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-3 and 6-12 is/are rejected.
 7) Claim(s) 4 and 5 is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 17 February 2006 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date _____.	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

This action is in response to Amendment filed October 28, 2008. Applicant amended claims 1 and 12.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 6-8, 11 and 12 rejected under 35 U.S.C. 103(a) as being unpatentable over Nishioka (US 6,626,532) in view of Tokoyoda (US 2003/0161044).

Regarding claims 1 and 12, Nishioka teaches an optical system comprising a diffraction element (219) formed of a substantially rigid first material having a first refractive index (Fig. 55) the diffraction element having a first plurality of grooves at a first interface of the diffraction element with a second material (218) having a second refractive index (Fig. 55) a second, different, plurality of grooves (Fig. 55) at a second, different, interface of the diffraction element with a third material (216) having a third refractive index wherein the first and second pluralities of grooves are aligned with respect to each other such that a combined diffractive effect is achieved (Fig. 55) characterized in that the third material is a liquid (col. 22 lines 55-60).

Nishioka lacks reference to the second grooves being differently proportioned. Tokoyoda teaches the use of grooves with different heights (Fig. 1A). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the Nishioka reference include the different height grooves of Tokoyoda for the purpose of correcting chromatic aberrations (Tokoyoda abstract).

Regarding claim 6, Nishioka teaches the first plurality and second plurality of grooves are arranged concentrically about an optical axis (Fig. 12).

Regarding claim 7, Nishioka teaches widths of the coinciding pairs are substantially the same, the widths being in a direction perpendicular to the optical axis (Fig. 55).

Regarding claim 8, Nishioka teaches the second material has a given optical dispersion and the third material as a different optical dispersion (inherent, the materials are different and therefore would have different optical properties).

Regarding claim 11, Nishioka teaches the system is arranged to modify a configuration of the third material using electrowetting forces (col. 22 lines 55-65).

Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nishioka (US 6,626,532) in view of Tokoyoda (US 2003/0161044) as applied to claim 1 above further in view of Applicant Admitted Prior Art (AAPA).

Nishioka in combination with Tokoyoda teaches the invention as claimed but lacks reference to blazing and different depths. AAPA teaches the use of blazing (page 2 lines 10-15) and grooves with different depths (page 2 lines 10-15). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the Nishioka in combination

with Tokoyoda invention include the blazing and depths as known in the art for the purpose of reducing radiation flare.

Claims 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nishioka (US 6,626,532) in view of Tokoyoda (US 2003/0161044) as applied to claim 1 above further in view of Gerritsen (US 4,850,682).

Nishioka in combination with Tokoyoda teaches the invention as claimed but lacks reference to the grating material exposed to air. Gerritsen teaches the grating material adjacent the air (Fig. 1A). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the Nishioka in combination with Tokoyoda invention include the second material as air as taught by Gerritsen for the purpose of predictably controlling the propagation of light incident on the grating material.

Allowable Subject Matter

Claims 4 and 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 4, the prior art of record fails to teach or suggest the claimed relationship between the refractive indices of the materials, the depth of the grooves and the wavelength of incident light.

Claim 5 depends from claim 4 and is allowable for the same reasons.

Response to Arguments

Applicant's arguments, see Amendment, filed October 28, 2008, with respect to the rejection(s) of claim(s) 1 and 12 under Nishioka have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration of the newly amended claim language, a new ground(s) of rejection is made in view of Tokoyoda. Applicant amended the claim language to overcome the prior art of record. The Tokoyoda reference was added to teach the newly claimed limitations.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOSHUA L. PRITCHETT whose telephone number is (571)272-2318. The examiner can normally be reached on Monday - Friday 7:00 - 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephone B. Allen can be reached on 571-272-2434. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Joshua L Pritchett/
Primary Examiner
Art Unit 2872